

Measurement of the Dielectric Parameters of a
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MDF K-228

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OTS 62-11482

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ID 2166472

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CIA/FDD XX-1174

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Pekar, Yu. A.
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24 Feb 61, Sp. 4 refs. APL/JHU TG 230-T174.
Order from OTS \$0.50 61-21995

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Another translation is available from OTS or SLA
\$1.10 as 61-15939; AFCRL-20; MDF P-158, Jan 61
[7]p.

Also available from MDF \$3.00 as MDF P-158.

DESCRIPTORS: *Plasma physics, *Heat transfer,
Hydrogen, Deuterium, Ionization.

The electron and ion temperature distributions in a
fully ionized plasma, bounded by parallel-walled heat
ducts, are given under the condition that density is
constant over the cross section of flow in two similar
cases of strong and weak nonisothermicity. (Author)
(Physics--Thermodynamics, TT, v. 6, no. 2)

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Magnetic Characteristics of Lithium-Aluminum
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TT-64-10580

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THE INFLUENCE OF THE ADDITIONS OF ALKALI METAL OXIDES UPON THE ELECTRIC CONDUCTIVITY OF ALKALI-FREE GLASSES (Vliyaniye Dobavok Okislov Shchelochnykh Metallov na Elektroprovodnost' Besshelochnykh Stekol). [1963] [28p] (foreign text included) 17refs
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I. Mazurin, O. V.
II. Lev, E. Ya.

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DESCRIPTORS: *Glass, *Electrical conductance, *Alkali metal compounds, *Oxides, Resistance (Electrical), Calcium compounds, Barium compounds, Lead compounds, Heat of activation.

The introduction into alkali-free glasses, which contain the oxides of bivalent metals (CaO, BaO, PbO) (Materials--Ceramics, TT, v. 11, no. 9) (over)

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West Newton, Mass.

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Dependence of the Line Intensity in an Arc
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The Effect of Tri-Axial Pressure on the Atomic
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The Calculation of Accelerated-Particle Loss Due
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Dekhtyar, I. Ya. and Madatova, E. G. INTERACTION BETWEEN THE MAGNETIC (DOMAIN) AND DISLOCATION STRUCTURE IN FERROMAG- NETS. [1962] 11p. 5 refs. Order from OTS or SLA \$1.60	62-10615	I. Dekhtyar, I. Ya. II. Madatova, E. G.
Trans. of Izv[estiya] V[ysshikh] U[chebnykh] Z[avedeni]. Fizika (USSR) 1961, no. 1, p. 63-70.		
DESCRIPTORS: Ferromagnetism, *Magnetic materials, Metals, Dislocations, Crystal structure, Annealing, Temperature, Theory, *Coercimeters.		
In conformance with modern theories of coercive force and under the assumption that dislocation-type defects in the crystalline structure are formed during high-temperature quenching in a metal, there is ana- lyzed their interaction with the domain structure. A computation of the dependence of the coercive force on the time of low-temperature annealing is in good agreement with experimental results. A computation (Physics--Magnetism, TT, v. 8, no. 9) (over)		Office of Technical Services

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Towards is an Estimate of Motion of Electrons
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ERDL, Ft Belvoir T-1498

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Sci - Electron
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Production and Dielectric Properties of Single
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Metanlobate and Lead Titanate, by A. L. Khodakov,
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Integral Functions of the Absorption of
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Sci - Phys

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5 PP.

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JPRS 20660

SCI - MATH & DATA PROC
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Taking Into Account the Influence of the Coherently
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1984, pp 172-173.
AEC-SCL-T7-05-276

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FTD-IT-62-324

Sci - Phys

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3 May 62

A CYCLOTRON WITH TRAJECTORY CONTROL BY MEANS OF A
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FTD-TT-62-1036

SCI - PHYS
11 OCT 62

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The Magnetostriction of Nickel-Copper Alloys in
Weak Fields, by I. V. Antonov.

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NLL Ref: 5828.4 1963 (5448) (loan)

May 64

On the Calculation of the Ionizing Intensity
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Paper, by D. S. Varshavskiy, 9 pp.

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Fin, No 6, 1961, pp 82-86. 9667381

FTD-TP-62-1263

Sci - Phys
Jan 63

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Gol'denblatt, I. I.
THE "CLOCK PARADOX" IN THE THEORY OF
RELATIVITY, tr. by B. W. Kuvshinoff. 17 Sep 62, 8p.
7 refs. APL/JHU TG 230-T333.
Order from: OTS \$0.50

63-11516

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Fizika (USSR) 1961, no. 6, p. 38-42.

DESCRIPTORS: *Relativity theory, Time, *Time-lag
theory, Clocks.

The familiar "clock paradox" in the study of relativity
is analyzed on the basis of a detailed study of the be-
havior of time in comparable coordinate systems.
(Author)

Handwritten: Navy to 3551/APL 333
(Physics--Theoretical, TT, v. 9, no. 3)

63-11516

- I. Title: Clock paradox
- I. Gol'denblatt, I. I.
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DESCRIPTORS: *Ferromagnetism, Ferromagnetic
materials, *Magnetic moments, Thin films, Iron,
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